

What is Claimed is:

1. A method for providing a packet-based multimedia service to a mobile device in a network, wherein the service is defined by a telecommunications standard, and wherein the network does not support packet quality of service (QoS) functionality as required by the standard, the method comprising:

establishing a packet signaling connection between the mobile device and network;
establishing a circuit bearer connection between the mobile device and network;
transferring signaling information for the multimedia service via the packet signaling connection in alignment with the standard; and
transferring data for the multimedia service via the circuit bearer connection in alignment with the standard, wherein the multimedia service is provided to the mobile device via the network as specified by the standard even though the network does not support the required QoS functionality.

2. The method of claim 1 further comprising executing at least one null operation to authorize QoS resources, wherein the operation is null because no QoS is requested due to the circuit bearer connection.

3. The method of claim 1 further comprising controlling the transfer of data via the circuit bearer connection using the signaling information.

4. The method of claim 1 further comprising requesting the circuit bearer connection, wherein the request is initiated by the network.

5. The method of claim 1 further comprising requesting the circuit bearer connection, wherein the request is initiated by the mobile device.

6. The method of claim 1 further comprising maintaining the circuit bearer and packet signaling connections simultaneously.

7. The method of claim 1 further comprising bridging the circuit bearer connection with an endpoint bearer connection, wherein the bridging establishes a link between the mobile device and the endpoint bearer connection.

8. A method for providing a packet-based multimedia service to an endpoint in a wireless network, wherein the service is defined by a telecommunications standard, and wherein the network does not support a packet quality of service (QoS) mechanism specified by the standard, the method comprising:

establishing a packet-based signaling context between the endpoint and a gateway;

establishing a circuit bearer leg between the endpoint and the gateway using the signaling context; and

controlling the transfer of data via the circuit bearer leg using the signaling context, wherein the signaling context is used to control the provision of the packet-based multimedia service via the circuit bearer leg in alignment with the standard.

9. The method of claim 8 further comprising initiating the establishment of the circuit bearer leg by either the endpoint or the gateway.

10. The method of claim 8 further comprising authorizing a previously requested QoS resource, wherein the authorization is null because no QoS is requested due to the circuit bearer connection.

11. The method of claim 10 wherein the authorizing utilizes a packet control function.

12. The method of claim 8 wherein establishing the signaling context includes providing a codec indicating that a circuit bearer is being used.

13. The method of claim 8 wherein establishing the signaling context includes provisioning the endpoint with a null codec to prevent voice packets from being sent via an available packet signaling connection.

14. The method of claim 8 wherein using the signaling context includes using a packet-based session initiation protocol.

15. A telecommunications system for providing a packet-based multimedia service to a mobile station (MS) in a wireless network, wherein the service is defined by a telecommunications standard, and wherein the network does not support a packet quality of service (QoS) mechanism specified by the standard, the system comprising:

- a proxy call session control function (P-CSCF);

- a media gateway connected to the P-CSCF; and

- a plurality of instructions for executing within the network, the instructions for:

- establishing a packet signaling context between the MS and the P-CSCF;

- establishing a circuit bearer connection between the MS and the media gateway;

- transferring signaling information for the multimedia service between the P-CSCF and the media gateway, and between the P-CSCF and the MS via the packet signaling connection in alignment with the standard; and

- transferring data for the multimedia service between the media gateway and the MS via the circuit bearer connection in response to the signaling information.

16. The system of claim 15 further comprising a serving call session control function (S-CSCF) connected to the P-CSCF and an endpoint, wherein a communication leg between the S-CSCF and the endpoint can be bridged with the circuit bearer connection to form a call session.

17. The system of claim 15 wherein functionality provided by the media gateway and the P-CSCF is combined in a hybrid service gateway (HSG).

18. The system of claim 17 further comprising a plurality of media servers connected to the HSG via the P-CSCF.

19. The system of claim 15 further comprising:
a mobile switching center (MSC) positioned between the MS and the media gateway,
wherein the circuit bearer connection is established between the MS and MSC; and
an intelligent gateway positioned between the MSC and the P-CSCF, wherein the
intelligent gateway maps signaling messages between the P-CSCF and the MSC.

20. The system of claim 15 wherein the network is a universal mobile
telecommunications system (UMTS) wireless network, and wherein the telecommunications
standard is an internet protocol multimedia subsystem (IMS) standard defined within a third
generation partnership project (3GPP).